## Datasheet

# **BY2-6G**

### VHF 150 MHz Three element Yagi Antenna

BY2-6G is a 3 element Yagi antenna with 6 dBd Gain.

- The entire balun unit and feeder cable inlet are completely sealed in a Polypropylen (PP) moulding ensuring permanent waterproof connections.
- Radiating elements, supporting booms and adjoining metal castings are constructed in high quality aluminum to prevent corrosion.

Antenna Type	3-element Yagi Antenna
Frequency	S: 136- 144 MHz L: 144 -160 MHz H: 160 - 175 MHz HH: 175 -190 MHz
Bandwidth	S: 8 MHz L: 16 MHz H: 15 MHz HH: 14 MHz
Impedance	50 Ohm
VSWR	<1.5:1
Polarisation	Linear (Vertical or Horizontal)
Gain	6 dBd, 8.15 dBi
Half-Power Beamwidth	E-Plane: 64° H-Plane: 102°
Front-To-Back Ratio	>16 dB
Max. Input Power	150 Watt
Antistatic Protection	Direct Ground

## **ELECTRICAL SPECIFICATIONS**

SCAN ANTENNA A/S | LITERBUEN 15 | 2740 SKOVLUNDE | DENMARK | +45 +454333 1620 Disclaimer: Here you find all products for a complete antenna system. One-stop supplier with focus on high quality products produced in EU. No matter which type of antenna you are searching for, you will find it here. Every effort has been made to ensure the accuracy of the information in this product sheet. Scan Antenna reserves the right to introduce changes to this information without notice. All rights reserved.

## Scan-Antenna

## Scan-Antenna®

## Datasheet

## MECHANICAL SPECIFICATIONS

Color	Silvery white
Dimensions	1200 x 1000 mm
Weight	3.4 kg
Mount Type	Fixed Tube Bracket in Galvanized Iron (included - P05/01)
Mounting Place	On Tube (Ø 20 - 65 mm, vertical or horizontal)
Survival Wind Speed	55 m/s
Materials	Aluminum 6063-T5, PP and Brass
Connector	N-female
Pigtail	Approx. 2.5 m RG213/U
Serial Number	On product label

## ORDERING INFORMATION

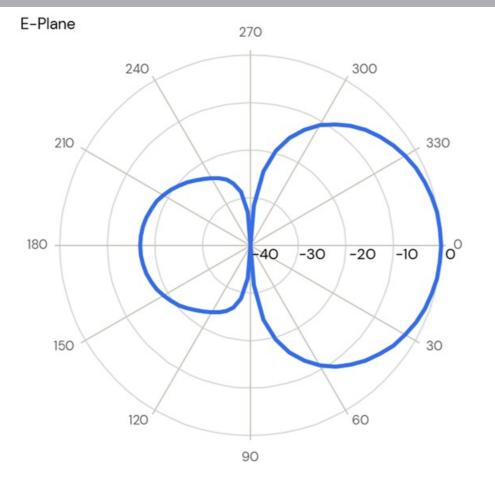
BY2-6GS	136 - 144 MHz In box
BY2-6GL	144 - 160 MHz In Box
BY2-6GH	160 - 175 MHz In box
BY2-6GHH	174 - 188 MHz In box

SCAN ANTENNA A/S | LITERBUEN 15 | 2740 SKOVLUNDE | DENMARK | +45 +454333 1620 Disclaimer: Here you find all products for a complete antenna system. One-stop supplier with focus on high quality products produced in EU. No matter which type of antenna you are searching for, you will find it here. Every effort has been made to ensure the accuracy of the information in this product sheet. Scan Antenna reserves the right to introduce changes to this information without notice. All rights reserved.

### Printed: 9/4/2025

# Scan-Antenna®

## Datasheet

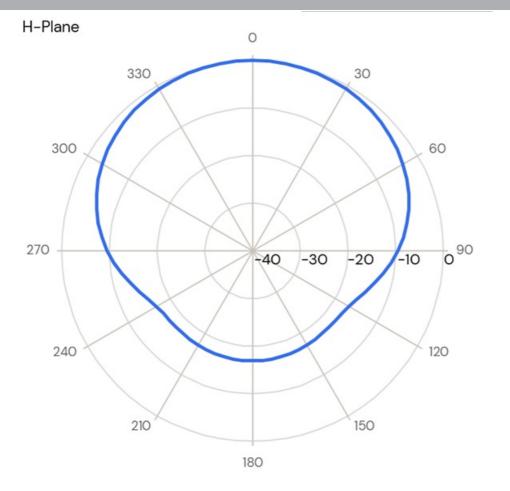


SCAN ANTENNA A/S | LITERBUEN 15 | 2740 SKOVLUNDE | DENMARK | +45 +454333 1620 Disclaimer: Here you find all products for a complete antenna system. One-stop supplier with focus on high quality products produced in EU. No matter which type of antenna you are searching for, you will find it here. Every effort has been made to ensure the accuracy of the information in this product sheet. Scan Antenna reserves the right to introduce changes to this information without notice. All rights reserved.

### Printed: 9/4/2025

# Scan-Antenna®

# Datasheet



SCAN ANTENNA A/S | LITERBUEN 15 | 2740 SKOVLUNDE | DENMARK | +45 +454333 1620 Disclaimer: Here you find all products for a complete antenna system. One-stop supplier with focus on high quality products produced in EU. No matter which type of antenna you are searching for, you will find it here. Every effort has been made to ensure the accuracy of the information in this product sheet. Scan Antenna reserves the right to introduce changes to this information without notice. All rights reserved.